STATEMENT OF WORK FOR PLATING SERVICES

PLACE OF PERFORMANCE: Contractor's Facility

1.0 BACKGROUND: The Naval Undersea Warfare Center - Keyport (NUWC - Keyport), Keyport, WA 98345-7610, requires plating/coating services on a variety of products with variable quantities: 1) Chrome; 2) Cadmium; 3) Nickel; 4) Zinc; 5) Anodize; and 6) Black oxide. The Contractor must have a demonstrated capability to perform these plating processes in accordance with the specifications contained elsewhere in this document.

2.0 SCOPE: Electro-plating and Coating Services:

2.1 NUWC - Keyport will identify the components, quantities, and required processes and ship the material with necessary documentation to the Contractor's site. Masking requirements will be communicated along with the documentation package. The contractor will receive the material, inspect for handling damage and initiate the specified process in accordance with the requirements. If handling damage has occurred the contactor will immediately contact the Keyport technical point of contact (POC) for direction.

2.2 The Contractor shall perform all necessary preparation requirements to the components in accordance with the specifications and best commercial practices.

2.3 The Contractor shall perform all post-plating requirements in accordance with the specifications.

2.4 When the plating process is completed, the Contractor shall contact the technical POC at NUWC - Keyport for direction on whether to ship the parts or await Government pickup. In either case, the Contractor shall have the material, with written process certification, wrapped/boxed as required for protection and ready for transport.

2.5 The Contractor shall have documented experience with the specified plating processes. For some critical aviation components, an aerospace certification shall be required. The aerospace certification level (i.e. Federal Aviation Administration Repair Station Certification) will be specified on a case-by-case basis. In addition, the contractor shall have qualified personnel and a 'Quality Control Program' to demonstrate capability for processing critical precision components. The Contractor shall have a quality control system with the capability to monitor tank chemistry, temperature, and time in the process. The contractor will also have calibrated equipment to monitor and measure plating/coating thickness and uniformity to meet the specifications and sometimes restricted government tolerances.

2.6 Due to emergent needs, rapid turnaround times, and drop-off/pick-up requirements, the Contractor’s plating facility must be located within a 90 minute travel time by land, water, or a combination thereof, to Keyport, WA.

3.0 REFERENCES: Contractor shall, provide no less than three references (preferably Government), validating the same or similar processes which they have performed within the past 12 months. In addition, Contractors shall provide documentation documenting their quality assurance program.

4.0 REQUIREMENTS: The Contractor shall not commence any work until directed by the Contracting Officer to perform the plating/coating services after individual requirements and price have been identified, reviewed, and agreed upon by both the Government and the Contractor.

4.1 Task A: (CLIN 0001), Chrome Plating.

4.2 Task B: (CLIN 0002), Cadmium Plating.

4.3 Task C: (CLIN 0003), Nickel Plating, two types:

4.3.1 (CLIN 0301), Electrolysis Nickel

4.3.2 (CLIN 0302), Nickel

4.4 Task D: (CLIN 0004), Zinc Plating.

4.5 Task E: (CLIN 0005), Anodize.

4.6 Task F: (CLIN 0006), Black Oxide Coating.

4.7 Deliverable Product: The Contractor shall perform the plating/coating services in accordance with the government requirements and industry standards and provide process certification documentation with each lot processed. Shipment of parts to, and from, the Contractor's site will be the responsibility of NUWC - Keyport. In some cases Government personnel will deliver and pickup the parts. In other cases, NUWC - Keyport will direct the Contractor to ship the material and include the shipping cost in the price quote. The Contractor's location shall be taken into consideration in regard to shipping cost and impact to Delivery Schedule.

4.8 Delivery Schedule: Delivery of the completed parts shall be not later than (NLT) five (5) calendar days after receipt of the GFP from the Government. Technical problems and schedule delays shall be reported to the Contracting Officer and Technical POC immediately via email.

5.0 GOVERNMENT FURNISHED PROPERTY AND INFORMATION: Government Furnished Property (GFP) shall be provided to the Contractor by the Government after and incident to the issuance of each BPA Call.

6.0 QUALITY ASSURANCE REQUIREMENTS: Acceptance criteria is based on the processes being performed in accordance with the referenced specifications and drawing and process requirements. After Contractor processing: Inspection and Acceptance shall be conducted, by the Government, at Destination: NUWC - Keyport.

7.0 TECHNICAL POINTS OF CONTACT AT NUWC - KEYPORT (after award):

Mr. Brian Dougherty, Telephone: 360-396-2303, e-mail: doughert@kpt.nuwc.navy.mil

8.0 REFERENCES:

8.1 CLIN 0001, Chrome Plating: SAE (Aerospace Material Specification) AMS-QQ-C-320. Chrome plate components in accordance with specification requirements. Type, class, and thickness will be specified by the Government.

8.2 CLIN 0002, Cadmium Plating: SAE (Aerospace Material Specification) AMS-QQ-P-416. Cadmium plate components in accordance with specification requirements. Type, class and thickness will be specified by the Government.

8.3 CLIN 0003, Nickel Plating, two types:

8.3.1 Electrolysis Nickel: SAE (Aerospace Material Specification) AMS-C-26074. Class, grade and thickness will be specified by the Government.

8.3.2 Nickel: SAE (Aerospace Material Specification) AMS-QQ-N-290. Class, grade and thickness will be specified by the Government.

8.4 CLIN 0004, Zinc Plating: ASTM-B-633. Zinc coat components in accordance with specification requirements. Type, class and thickness will be specified by the government.

8.5 CLIN 0005, Anodize: Military Specification MIL-A-8625F. Anodize aluminum components in accordance with specification requirements. Type, class, color and thickness will be specified.

8.6 CLIN 0006, Black Oxide Coating: Military Detail Specification MIL-DTL-13924. Black Oxide Coat components in accordance with specification requirements. Class will be specified by the Government.